

## Claims

1. An inductance element of an electromagnetic delay line in a lumped constant type electromagnetic delay line having a plurality of sections formed of an inductance element which is formed by connecting a plurality of inductors in series, and capacities which are vertically connected to each connection point in a ladder shape,

wherein the inductors of the electromagnetic delay line are formed in a spiral shape, the inductors of one section are formed by alternately and vertically connecting the section divided and arranged into a first and second inductors in a horizontal direction and the section not divided, the first inductor is arranged in a vertical positional relation so as to be connected with positive coupling to the inductor of the preceding section not divided in series, and the second inductor of the section is arranged in the vertical positional relation so as to be connected with positive coupling to the inductor of the following section not divided in series.

2. The inductance element of the electromagnetic delay line according to claim 1, wherein the inductors of two sections formed between the section not divided in the horizontal direction and the preceding and the following sections divided in the horizontal direction, with the section not divided placed therebetween, are connected with positive coupling in the vertical positional relation, and this structure is defined as one inductance unit, and a plurality of inductance

units thus constituted are vertically connected and adjacent  
inductance units are dispersed and arranged in first, second...  
virtual lines.